

19980815.qrp v01\_n184.qrs.980815

Date: Sat, 15 Aug 1998 19:03:21 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 1184

QRP-L Digest 1184

Topics covered in this issue include:

- 1) [17572] K3KTS  
by Pablo Luis Robles <wp4jxd@isla.net>
- 2) [17573] Nice Guys at Yaesu  
by jmbrown@edge.net (JERRY BROWN)
- 3) [17574] Ceramic Tuning Tools  
by "Gene Hall" <evhall@ix.netcom.com>
- 4) [17575] NorCal 20 Availability  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 5) [17576] Re: QRP Freq(s) on 30 Meters ?  
by "Bill Todd" <bill@willapabay.org>
- 6) [17577] Antenna Discussion  
by Ed <edn4pk@voyageronline.net>
- 7) [17578] DX on 20 Meters  
by RangerSF5@aol.com
- 8) [17579] Re: How to orient audio xfmr  
by Ed Tanton <n4xy@att.net>
- 9) [17580] SW+20 tuning linearization mod  
by "David Ek" <ekdave@earthlink.net>
- 10) [17581] OHR-100 mods?  
by "David Ek" <ekdave@earthlink.net>
- 11) [17582] g-e glow lamps question  
by JIM <kw3u@warwick.net>
- 12) [17583] Re: TL5A  
by Pablo Luis Robles <wp4jxd@isla.net>
- 13) [17584] WPX?  
by Wayne Alexander <walexander@wwn.net>
- 14) [17585] RE: Miles per watt with BPSK?  
by "David Newkirk" <dpnewkirk@home.com>
- 15) [17586] SD-20 poles  
by marion@montana.com
- 16) [17587] Re: WPX?  
by Ab7wy@aol.com
- 17) [17588] AL7FS QSL Update 2  
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 18) [17589] Re: SD-20 poles  
by ARDUJENSKI@aol.com
- 19) [17590] Re: DX on 20 Meters

- by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 20) [17591] QRP-DX on 15m  
by Thomas Roth <th.roth@apc.de>
- 21) [17592] 10W Amp Homebrew Web Site  
by Dave Willey <dave@cds1.net>
- 22) [17593] Re: DK9SQ Portable Mast Announcement  
by Stephen John Farthing <stephen@stevef.demon.co.uk>
- 23) [17594] choke balun and heat-shrink tubing?  
by "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
- 24) [17595] 38S - Tokyo on 4 watts & funky dipole!  
by "Doug Hauff" <slmachco@fix.net>
- 25) [17596] QRP Ant.Tuner ideas.  
by TMcfadden@aol.com
- 26) [17597] Re: g-e glow lamps question  
by n2tpa@juno.com (Bill d Lazure)
- 27) [17598] Good Small Antenna Name??  
by n2tpa@juno.com (Bill d Lazure)
- 28) [17599] Re: DX on 20 MetersB  
by bob evinger <revinger@marshallonline.com>
- 29) [17600] Wainwright -DDS 9850 IC's.  
by David Shalita <af389@lafn.org>
- 30) [17601] RE: K3KTS  
by Pablo Luis Robles <wp4jxd@isla.net>
- 31) [17602] Re: Qrp Freq(s) on 30 Meters?  
by af852@rgfn.epcc.edu (William R Colbert)
- 32) [17603] Re: The Zombie Shuffle Oct. 31Z  
by mwattcpa@earthlink.net (Marty Watt)
- 33) [17604] future of cw  
by marion@montana.com
- 34) [17605] Re: FS- 4 Items  
by k4zd@juno.com (Robert L Hanrahan)
- 35) [17606] RE: Vertical antennas and ground rods?  
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 36) [17607] AL7FS has fun on 40 meters + other news.  
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 37) [17608] To: Dave Yarnes - Others Please Delete  
by Brian Kassel <bkassel@dancris.com>
- 38) [17609] 6 meter HB  
by Roger Braker <msebrakr@telepath.com>
- 39) [17610] Re: choke balun and heat-shrink tubing?  
by "George T. Baker" <w5yr@swbell.net>
- 40) [17611] Ed Noll original book FS  
by MNHopkins@aol.com
- 41) [17612] Re: future of cw  
by "George T. Baker" <w5yr@swbell.net>
- 42) [17613] Winlinks/10120?? khz QRM  
by n4so@juno.com (charles k brown)
- 43) [17614] Re: g-e glow lamps question

by "George T. Baker" <w5yr@swbell.net>  
44) [17615] Re: Miles per watt with BPSK?  
by Clay N4AOX <wyn@worldnet.att.net>  
45) [17616] Adding WARC Bands to Trap Vertical  
by "James R. Duffey" <ji3m@maxwell.com>  
46) [17617] Re: Miles per watt with BPSK?  
by Rich Mulvey <mulveyr@mulveyr.roc.servtech.com>  
47) [17618] Re: 6 meter HB  
by "George T. Baker" <w5yr@swbell.net>  
48) [17619] Fox Hunts  
by kq0i@juno.com (Mark R Milburn)  
49) [17620] Antenna Tuner Kits  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
50) [17621] Re: DX on 20 MetersB  
by Ab7wy@aol.com  
51) [17622] Re: DX on 20 MetersB  
by Hank Kohl K8DD <k8dd@contesting.com>  
52) [17623] Yeah, yeah, yeah do the zombie shuffle!  
by Mel Evans <MelEvansGM6JAG@compuserve.com>  
53) [17624] Re: The Zombie Shuffle Oct. 31Z  
by adams@chuck.dallas.sgi.com (Chuck Adams)  
54) [17625] New Rigs  
by "James Fielden" <fielden@utkux.utcc.utk.edu>  
55) [17626] Re: Yeah, yeah, yeah do the zombie shuffle!  
by "George T. Baker" <w5yr@swbell.net>  
56) [17627] Status Report de K5F0  
by adams@chuck.dallas.sgi.com (Chuck Adams)  
57) [17628] 30M Coaxial Trap Design Wanted  
by Ed Tanton <n4xy@att.net>  
58) [17629] Vanguard merged two orbits...  
by MNHopkins@aol.com  
59) [17630] Fw: Multiband verticals  
by "Alyn Backe" <ve6bpr@cnn.net>  
60) [17631] Re: Miles per watt with BPSK?  
by Clay N4AOX <wyn@worldnet.att.net>  
61) [17632] Re: Fw: Multiband verticals  
by w4bws@juno.com (Donald E Sanders)  
62) [17633] Re: choke balun and heat-shrink tubing?  
by nhoop@centuryinter.net (Nat H)  
63) [17634] Fw: Multiband verticals  
by THE ONE AND ONLY <mitch96@pobox.com>  
64) [17635] LQQING FOR A SHORT HF VERTICAL?  
by ARDUJENSKI@aol.com  
65) [17636] QRP glowbug want : ICM T-12  
by w4bws@juno.com (Donald E Sanders)  
66) [17637] Multiband verticl  
by Pat Byers <pbyers@rttinc.com>

-----  
Date: Fri, 14 Aug 1998 20:12:20 -0400 (AST)  
From: Pablo Luis Robles <wp4jxd@isla.net>  
To: qrp-1@Lehigh.EDU  
Subject: [17572] K3KTS  
Message-ID: <Pine.LNX.3.95.980814201024.294A-100000@pentagon>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Fellows:

I need to contact George but every time I send an e-mail to k3kts@abs.net it cannot be delivered. Have he changed address?

Regards,

Pablo Luis

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Date: Fri, 14 Aug 1998 19:33:12 -0500  
From: jmbrown@edge.net (JERRY BROWN)  
To: qrp-1@Lehigh.EDU  
Subject: [17573] Nice Guys at Yaesu  
Message-ID: <35D4D748.4771@edge.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

During set-up at June ARRL Field Day '98 my FT-900, my QRP to the Field rig on 20 meters, got plugged into a defective DC supply and 28 volts entered its guts and after a frying sound, smoke emerged.

Well, I received word yesterday that the damage wasn't so bad and that Yaesu had repaired the rig at no charge, plus they had upgraded the receiver with a modification involving an exchange of couple of diodes. Thanks, Mike in Yaesu service...you're made one customer very happy...

de N4EO

P.S. I'm the guy who lost a loaned out Drake R4-B in April TN toronado.

-----  
Date: Fri, 14 Aug 1998 21:07:30 -0400  
From: "Gene Hall" <evhall@ix.netcom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Cc: <wa4hhp@amsat.org>  
Subject: [17574] Ceramic Tuning Tools  
Message-ID: <001801bdc7e9\$14c98360\$21abbacd@#evhall>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The tuning tools and extra tips have been ordered for everyone that has sent me a quantity wanted e-mail or letter.

They should be in next week and I'll turn them around and get them out to you right away, the envelopes are all ready to be stuffed and taken to the post office.

72,

Gene    WA4HHP    Summerville, SC

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Date: Fri, 14 Aug 1998 18:12:42 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Subject: [17575] NorCal 20 Availability  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Guys, I just got off the phone with Jim, and we have 97 NorCal 20 kits left. If you want in, you better hurry. Remember, we are only going to do one run, and when this run is sold out, we will not do any more.

Also, Please, Please, Please, make your checks and money orders out to Jim Cates, not NorCal, or anything else. To do otherwise causes problems with returned checks.

Also, once we are sold out, checks will be returned and an announcement will be placed here and on the NorCal Web page.

72, Doug, KI6DS

-----  
Date: Fri, 14 Aug 1998 18:21:10 -0700  
From: "Bill Todd" <bill@willapabay.org>  
To: <w4foa@voy.net>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [17576] Re: QRP Freq(s) on 30 Meters ?  
Message-ID: <01d701bdc7ea\$fd9ad7a0\$395233d1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Tony -

I am certain that you have already been given a list of the standard QRP  
"hang-out" freqs, but allow me to give you one more...that is 10.123. This  
freq is used by the NorthWest QRP Club as it's Monday evening Net gathering  
place.

The Net meets at 6PM Pacific time (same time all year), and the Net is  
hosted by W7DF0, Brian in Seattle, WA.

Check it out, and have fun on 30 meters -

CUL, Bill-N7MFB

<http://www.willapabay.org/~bill>

ICQ me @ 8926298

-----Original Message-----

From: Tony Martin <w4foa@voy.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Tuesday, August 11, 1998 8:56 AM  
Subject: QRP Freq(s) on 30 Meters ?

Would like to know the most active 30 Meter QRP frequencies,

-----  
Date: Fri, 14 Aug 1998 21:43:08 -0400  
From: Ed <edn4pk@voyageronline.net>  
To: Qrp <qrp-1@Lehigh.EDU>  
Subject: [17577] Antenna Discussion

Message-ID: <35D4E7AC.FFDB1B43@voyageronline.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If you are not following the current threads on antennas, then you are missing some very interesting and valuable information. Great reading, thanks guys..  
Ed W3NR

-----  
Date: Fri, 14 Aug 1998 21:42:27 EDT  
From: RangerSF5@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [17578] DX on 20 Meters  
Message-ID: <526c273d.35d4e784@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

DX starting to roll in on 20-M.....Starting at 0200UTC  
Just worked ZP5W on the MFJ 14.050  
Other DX standing by.  
Here's your chance to bag a page full of qso's  
Bob  
WA2HOQ

-----  
Date: Fri, 14 Aug 1998 22:24:35 -0400  
From: Ed Tanton <n4xy@att.net>  
To: PDouglas12@aol.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [17579] Re: How to orient audio xfmr  
Message-ID: <3.0.5.32.19980814222435.00cde670@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Even though the actual DC resistance is not indicative of the impedance, any ohmmeter with a low enough resistance-scale still will measure which winding has more resistance, which in turn means more turns in most cases. This will be sufficient for your problem.

This relationship between primary (1k) / higher resistance and secondary (8 ohms) will remain true for most audio and LV transformers.

For HV transformers, it gets a bit more ambiguous: since the wire sizes/turns/DC resistances start getting interesting. In that case, the line side / primary will probably have the lower resistance... but a really heavy-duty medium voltage transformer... might go either way. That should be the only really ambiguous case.

In any test of line voltages (120/220) you can use a 100W light bulb in series with the line-side (primary) when you power it up \*\*\* using a variac.\*\*\* If everything is OK, the bulb will barely glow-if at all. If it gets bright-as you bring the line voltage up-SOMETHING is wrong-recheck everything.

Another thing: if you find that even though it is a nice large cored xfmr, good-sized wires, etc., yet runs pretty hot even with little or no load, it is either: a really cheap-ironed xfmr, or intended for 50 Hz. If it is 1/3 the size you think-from experience-it ought to be for what it's rated, look for the 400Hz label... it probably is there somewhere. 400Hz xfmr's, unless specifically labelled for 50-400Hz operation, usually won't run on 60Hz.

One final caveat: most of the miniature xfmr's sold today are rated several hundred milliwatts... so don't try to pump lots of power through them-they will work, even up to a watt or so (or have done so for me in the past.) Higher power audio xfmr's (10W and up) are available through Antique Electronic Supply and surplus at Fair Radio Supply.

In a pinch you can play around with the 70V audio distribution xfmr's RS and others sell... and in a REAL pinch a 120V/6 or 12 or 28 VAC \*\*\* 400 Hz \*\*\* xfmr will pass some part of the audio passband as a substitute for a 600 ohm to 8 ohm xfmr... but they have sounded pretty poor to me the times I have felt appropriately pinched.

```

///snip
>way). It is center tapped on the primary and on the secondary. And that, of
>course, is the problem. How do I tell which side is the 8 ohms and which is
>the 1k ohms?
///snip
73

```

Ed Tanton N4XY EMAIL: n4xy@att.net  
189 Pioneer Trail  
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

|            |     |                       |                |                  |
|------------|-----|-----------------------|----------------|------------------|
| INTERESTS: | QRP | BoatAnchors           | Test Equipment | Photography      |
| CW: 99.9%  |     | Mercury Paddle # 0214 |                | QRP to 150W: 95% |

"Think you can, think you can't: either way you're right!" Henry Ford



-----  
Date: Fri, 14 Aug 1998 20:35:12 -0600  
From: "David Ek" <ekdave@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [17580] SW+20 tuning linearization mod  
Message-ID: <000401bdc7f5\$54dc98a0\$5bac85ce@davidek>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

I tried out the simple mod to my SW+ to make the tuning range more linear. The mod comes from "QRP Power" and consists of placing a 100K resistor between the positive end and the wiper of the tuning pot.

My first try made things worse. I must have read the diagrams in the instructions wrong, because I had the ground end instead of the positive end. Got out the trusty DMM and figured it out. Adding the resistor did improve the linearity, enough to make it worthwhile. Here's a summary of the tuning range, before and after:

| Tuner setting | f before | f after |
|---------------|----------|---------|
| 1             | 14.002   | 14.002  |
| 2             | 14.003   | 14.004  |
| 3             | 14.006   | 14.009  |
| 4             | 14.010   | 14.016  |
| 5             | 14.016   | 14.025  |
| 6             | 14.026   | 14.034  |
| 7             | 14.038   | 14.044  |
| 8             | 14.051   | 14.054  |
| 9             | 14.062   | 14.063  |
| 10            | 14.065   | 14.065  |

Time to close up the SW+ and start making contacts!

72 de Dave AB0GO

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Date: Fri, 14 Aug 1998 20:37:24 -0600  
From: "David Ek" <ekdave@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [17581] OHR-100 mods?  
Message-ID: <000601bdc7f5\$a3671a40\$5bac85ce@davidek>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

Anyone done any mods on the OHR-100? I might like to increase its tuning range to cover 7 - 7.15 (gotta hunt those N/T+ foxii), or anything else clever or neat. If you've done something cool to your OHR, would you share it with me? Or is there a source of mods on the web?

tnx es 72 de Dave AB0GO

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Date: Tue, 11 Aug 1998 09:07:29 -0700  
From: JIM <kw3u@warwick.net>  
To: qrp <qrp-1@Lehigh.EDU>  
Subject: [17582] g-e glow lamps question  
Message-ID: <35D06C41.46D6@warwick.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang;

Picked up some oddities at last hamfest. I like to get old tubes, the stranger the better, and mount them on varnished pieces of wood in the shack. always wanted to light them up somehow (forget the filaments-they really need current) so am going the route i saw in qst a couple times of small bulbs around the base, with some foil or whatever.

well picked up a few boxes of these g-e glow lamps (NE7 1/4w 105-125v) the box mentions a series resistance is required with the 110v(ac?) Would appreciate info on these critters as they are well before my time. Also if someone has need of some for whatever they might have been used for, lemme know. tnz

Oh yeah the rangerSF guy was right on dx, got TL5A on 14025 at 0220zulu here.yippee.

72 Jim

-----  
Date: Fri, 14 Aug 1998 23:21:03 -0400 (AST)  
From: Pablo Luis Robles <wp4jxd@isla.net>  
To: JIM <kw3u@warwick.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [17583] Re: TL5A  
Message-ID: <Pine.LNX.3.95.980814231810.386H-100000@pentagon>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 11 Aug 1998, JIM wrote:

> they might have been used for, lemme know. tnx  
> Oh yeah the rangerSF guy was right on dx, got TL5A on 14025  
> at 0220zulu here.yippee.  
> 72 Jim

I too heard him but no luck... I Also spent some time callling CQ on 14.055 and no luck either, got tired of pounding my Straight Key and gave up. So that the story of a sad DXer :)

Regards,

Pablo Luis

-----  
Date: Fri, 14 Aug 1998 22:35:47 -0500  
From: Wayne Alexander <walexander@wwn.net>  
To: qrp-1@Lehigh.EDU  
Subject: [17584] WPX?  
Message-ID: <3.0.3.32.19980814223547.0069b000@pop.wwn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

I am playing with a new Logging program and wondering about the WPX. How many is there? Is every call sign like W4,K4,W7,are they different for the WPX.and what about WA4 would that be considered a different one from the W4? Hope this is not a stupid question. Have a great day.

73, KB=D8PTE  
Wayne  
QRP-L #1=D858  
FISTS #49=D87  
(CW,What a feeling!)

-----  
Date: Fri, 14 Aug 1998 23:37:31 -0400  
From: "David Newkirk" <dpnewkirk@home.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [17585] RE: Miles per watt with BPSK?  
Message-ID: <000001bdc7fe\$08ce4b80\$33940318@cc632587-a.vron1.nj.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

KC5TJA (kc5tja@topaz.axisinternet.com) wrote:

> What, exactly, does BPSK sound like? I envision that  
> it'd sound pretty close to white noise.

BPSK .wav files and more are available at Phil Karn's FEC Demo page at  
<http://people.qualcomm.com/karn/fecdemo/index.html> -- a good place to send  
anyone who still needs convincing that on-off-keyed Morse "gets through when  
other modes can't."

73,

Dave Newkirk, W9VES  
dpnewkirk.com

-----  
Date: Fri, 14 Aug 1998 22:29:01 -0600 (MDT)  
From: marion@montana.com  
To: qrp-l@Lehigh.EDU  
Subject: [17586] SD-20 poles  
Message-ID: <199808150429.WAA26550@paw.montana.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'm looking at SLV antennas as a portable and maybe fixed antenna.  
Have seen the adjustable coil available. My question is about the poles. Is

there a difference between the SD-20 and the Black Widow poles? If so, I know where to get the black widow. Where do you get the SD-20 from? Thanks in advance, Roy AB7CE

-----  
Date: Fri, 14 Aug 1998 23:56:44 EDT  
From: Ab7wy@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [17587] Re: WPX?  
Message-ID: <a31a62ce.35d506fe@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Wayne, first of all, its not a stupid question. it can get confusing. W4 would count as 1 prefix, W3 would be an entirely different one, as would WA3...if anything before the suffix is different, then you have a new prefix on your total. if a guy is portable, you count the portable...for example AL7/AB7WY would be counted as an AL7. or maybe....saaaaay...P5/AB7WY (heh heh, yeah right!)...count the P5. hey, i like the looks of that :-), anyway, i hope that sheds a little bit of light on this for you. dont worry, i asked the same question too.

73.....Adam, AB7WY/AB7 :-)

-----  
Date: Fri, 14 Aug 1998 20:13:43 -0800  
From: "Jim Larsen (AL7FS)" <larsennnc@alaska.net>  
To: qrp-l@Lehigh.EDU  
Subject: [17588] AL7FS QSL Update 2  
Message-ID: <35D50AF7.D6F927DD@alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

QSLs for n8et, wd5hjc, w7csx, wd4ekb/2, nt8s, aa2bhf, sm3uff, ve7peb, n7xm, dl2ako, k6rfm are done and going out in the mail tomorrow. With these I am caught up and won't post any more to the list. Thanks for your understanding. All I have left now are some via the buro from Slovenia, France and Japan.

73, Jim, AL7FS

-----  
Date: Sat, 15 Aug 1998 00:30:06 EDT  
From: ARDUJENSKI@aol.com  
To: marion@montana.com, owner-qrp-1@Lehigh.EDU, qrp-1@Lehigh.EDU  
Subject: [17589] Re: SD-20 poles  
Message-ID: <664f1b1.35d50ecf@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

VISIT THE norcal page at <http://www.fix.net/~jparker/projects.html> for details on the antenna.

Now, here is the information for ordering the "Black Widow" 20' Telescoping fishing pole. Cabela's Outfitters' (spring/summer) catalog lists the 20 foot telescoping "black widow" rod for \$20.48. Item number is (or was in that catalog) AG-11-00503. Cabela's number is 1-800-237-4444

Alan KB7MBI

-----  
Date: Fri, 14 Aug 1998 23:42:42 -0500  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: RangerSF5@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [17590] Re: DX on 20 Meters  
Message-ID: <35D511C2.9556BD27@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bob,

Worked UA9CE in Asbest, Russia at 0329 and S51W0 in Raven, Slovenia at 0400. I fell asleep at the key waiting for a chirpy OK2IGY to finish his QSO. Sometime CW can be too relaxing! S51W0 was using a Windom antenna. I'm using 5W and an inverted-vee dipole up 20 ft. Like you say, the 20m band has been great at night.

73,  
Steve Yates  
AA5TB  
aa5tb@swbell.net  
<http://home.swbell.net/aa5tb/>

Fort Worth, Texas

-----  
Date: Sat, 15 Aug 1998 08:07:29 +0200  
From: Thomas Roth <th.roth@apc.de>  
To: qrp-l@Lehigh.EDU  
Subject: [17591] QRP-DX on 15m  
Message-ID: <3.0.32.19980815080643.0069980c@apc.de>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Hi Gang,

I really had a ball on 15m yesterday. I worked W3FM, KC1XX, K2NG, K2LE, VE3EJ and VE9XB, all between 1200z and 1430z. All with my SG-2020 on 3 watts (yes I do have one of those and I love it) and my attic antenna. The last one was especially nice. With all the Ukrainians calling him, I didn't have much hope, but he pulled me out of the noise. He paused for a moment and then came back "stn qrp ? pse agn = stn qrp kn". I was thrilled and we had a short but nice qso. I'd like to qsl this gentleman direct, his name is Wayne, but I didn't get the qth. Checked him out on qrz.com and Buckmaster, but both don't have him. Could anyone of you help me out ??? Signals were really booming in but, alas, no qrp'ers. So, all of you guys n gals, turn your beams, quads, wires and verticals east !!! We EU-QRP'ers like to work you too!!!

72 s de Thomas, DL40BN, G-QRP #5672, AK-QRP #413, QRP-L #1621

-----  
Date: Fri, 14 Aug 1998 23:20:04 -0700  
From: Dave Willey <dave@cds1.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [17592] 10W Amp Homebrew Web Site  
Message-ID: <35D52893.5AA1@cds1.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi All,

Within the last week or so I remember someone looking for a 10W ad on HF amp. While surfing just now for something else (see below), I came across this site

that has plans for a 10W HF 1.8 to 30 MHz add on amp.

<http://user.tninet.se/~acz732k/tx/15w-pa.htm>

Also the negative for the PC board.

<http://user.tninet.se/~acz732k/tx/15w-pcb.gif>

I don't know how well it works, just something I ran across. QRP-L has helped me in the past & I thought I'd return the favor.

It seems like an interesting site. Will have to explore it later, after I find the site I saw last night of someone who had built a QRP transmitter inside a PVC tube & ran 1/2 of a dipole out each end. Then hauled the whole thing up as a dipole w/no coax or feedline. Just ran wire down for power & a key. No coax = no loss. Neat idea.

Can't remember where I saw it. Any ideas? I'm stumped.

--

To send a reply please remove "NOJUNKMAIL" from the return address, and replace "AT" with "@"

Dave Willey

e-mail: dave AT cds1.net  
amateur e-mail: kd6kwm AT cds1.net  
amateur packet: KD6KWM@KD6KWM.#NCA.CA.USA.NOAM

--

QRP-L #1567

-----  
Date: Fri, 14 Aug 1998 21:05:42 +0100  
From: Stephen John Farthing <stephen@stevef.demon.co.uk>  
To: qrp-l@Lehigh.EDU  
Subject: [17593] Re: DK9SQ Portable Mast Announcement  
Message-ID: <dUar00AWiJ11Eww4@stevef.demon.co.uk>  
MIME-Version: 1.0

I bought one at Rochdale last year. It is excellent. You won't regret it



if you get one. Apart from purchasing an R2 and T2 kit I have no connection with Kanga US or the very jolly gent who makes the masts - he has a cool line in hats btw - very Alpine.

--

Stephen John Farthing MBCS G0XAR  
Melksham, Wiltshire UK  
RSGB G-QRP 7766

-----  
Date: Sat, 15 Aug 1998 11:25:47 +0200 (EET)  
From: "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>  
To: qrp-l@Lehigh.EDU  
Subject: [17594] choke balun and heat-shrink tubing?  
Message-ID: <01J0MQL9XP8M8Y8EWE@vyh21.vyh.fi>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII  
Content-transfer-encoding: 7BIT

Gang,

I could do with a little advice and I hope to get it here. I have all the parts for a choke balun: 30 ferrite beads type FB77-6301, some RG-58C and BNC plugs (one male, one female).

Ferrite is hard and may break if it hits something, so I thought of protecting the beads with a single long sleeve of heat-shrink tubing. Now this needs to be heated to a temperature of over ca. 150 deg C. The best way of heating that I can come up with is hot-air from a butane soldering iron with a hot-air adapter that I have (Portasol). It has a special attachment to deflect the air around the tubing. I can control the flow of gas, but I cannot set the air temperature to a precise value and have to go by the shrinking (or smoking) result I can see.

However, I wonder if heating the RG-58 and the ferrite is all that good an idea.

Perhaps somebody on the list has made this sort of balun and has some practical advice on how to do a neat and sound job on this.

Thanks for reading this and your much valued advice.

BTW, something I noticed when shrinking tubing (with glue on the inside) around a stranded line joint: it must have been because I started from the outer ends that I couldn't shrink the middle part all

the way. AIR seems to be TRAPPED in the middle. So better start shrinking from the middle. I must add that I had a few short pieces of thinner tubing already shrunk on either side of the joint to make it slightly thicker. The ends were tight before all the air was out :-)

73, oh2zaz

Arjen Raateland

--... ..- -... . --- ..... ..- - -... ..- - -...  
Finnish Environment Institute, Helsinki, Finland  
SAS Support  
EMAIL: Arjen.Raateland@vyh.fi  
tel. +358 9 4030 0457  
fax +358 9 4030 0490  
..-.-. -.-

-----  
Date: Sat, 15 Aug 1998 06:25:42 -0700  
From: "Doug Hauff" <slmachco@fix.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [17595] 38S - Tokyo on 4 watts & funky dipole!  
Message-ID: <199808150922.CAA17630@fletch.fix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

and a 559 to boot from JA8LP...a real gent, came back exactly my cw speed...2:00 AM local...  
...and just how am I supos'd to get to sleep?...72 Doug Hauff KE6RIE

-----  
Date: Sat, 15 Aug 1998 07:05:47 EDT  
From: TMcfadden@aol.com  
To: qrp-l@Lehigh.EDU  
Cc: th.roth@apc.de  
Subject: [17596] QRP Ant.Tuner ideas.  
Message-ID: <3becbfa6.35d56b8c@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Could anybody give me a good tip for a QRP Ant. Tuner. Kit form or plans to build one?  
Tnx in advance for the help.

73 es God Bless  
de Tim McFadden DA2TF/KB2RLB  
"Lead, follow, or get out of the way!"

-----  
Date: Sat, 15 Aug 1998 07:19:40 -0400  
From: n2tpa@juno.com (Bill d Lazure)  
To: kw3u@warwick.net  
Cc: QRP-L@Lehigh.EDU  
Subject: [17597] Re: g-e glow lamps question  
Message-ID: <19980815.074240.7598.0.N2TPA@juno.com>

Jim,

Assuming these are similar to NE-2s, they are Neon bulbs. They're still quite common. They reach a "Breakover" voltage over which the neon will "arc" and glow orange. The purpose of the resistor is to control current flow during this arcing period. Don't know the NE-7 specifically, but most neon bulbs need 100K ohms in series when fed with 110VAC. The Newark catalog lists about every type of bulb made, and may help in determining the exact resistance.

Bill  
N2TPA  
Syracuse, NY

P.S. Since these devices work by "arcing" through a gas, they are noisy at RF. you may not want to run them while running your rig.

>Hi Gang;  
> " Picked up some oddities"...  
>" well picked up a few boxes of these g-e glow lamps (NE7 1/4w  
>105-125v) the box mentions a series resistance is required with  
>the 110v(ac?) Would appreciate info on these critters"  
> 72 Jim  
>  
>  
>

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Or call Juno at (800) 654-JUNO [654-5866]  
-----

Date: Sat, 15 Aug 1998 07:42:37 -0400  
From: n2tpa@juno.com (Bill d Lazure)  
To: QRP-L@Lehigh.EDU  
Subject: [17598] Good Small Antenna Name??  
Message-ID: <19980815.074240.7598.2.N2TPA@juno.com>

Folks,

My yard, and it's trees, make erecting a full-sized dipole pretty tough. I was playing around with shortened dipoles, but hated the fact that I lost alot of bandwidth. In this play, I swung the ends of the dipole around until they were 3-4 inches apart, much like a half-size loop, but disconnected at the end opposite the feed.

Mounted horizontally, (plane parallel to ground), and fed through a 4:1 xmfr (feed is exactly 12 ohms), this antenna seems to perform better than my 14AVQ vertical. ELNEC predicts about a 6Db front to side ratio, and similar gain to a full-size dipole. It works. I made CA from NY at 1900L on 15M last night. Not spectacular, but at least similar to the vertical's performance.

I seriously doubt I have discovered a new antenna configuration, so what is this type of antenna called?

73,  
Bill  
N2TPA  
Syracuse, NY

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Or call Juno at (800) 654-JUNO [654-5866]

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Date: Sat, 15 Aug 1998 07:18:33 -0500 (EST)  
From: bob evinger <revinger@marshallonline.com>  
To: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [17599] Re: DX on 20 MetersB  
Message-ID: <Pine.LNX.3.96.980815071603.535B-1000000@WD9EKA.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I thought I was the only one that had trouble staying awake when I work CW??? :) It seems to do the same thing to me at times. Can be annoying

as all get out when it happens to me.

bob

Bob Evinger | 19250 N. Livingston Road | revinger@marshallonline.com  
WD9EKA | Marshall, IL 62441 |

On Fri, 14 Aug 1998, Steve Yates, AA5TB wrote  
> 0400. I fell asleep at the key waiting for a chirpy OK2IGY to finish  
> his QSO. Sometime CW can be too relaxing! S51WO was using a Windom

-----  
Date: Sat, 15 Aug 1998 06:26:27 -0700  
From: David Shalita <af389@lafn.org>  
To: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>  
Cc: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [17600] Wainwright -DDS 9850 IC's.  
Message-ID: <35D58C83.F3E45334@lafn.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,  
I am trying without success to purchase the SMD adapters from a Wainwright Company in Germany that one can mount AD9850 DDS IC's.

My search of the web has not revealed anything useful for them or a USA Rep company.

Most useful to me would be the name, postal or email address, and phone of their USA representation.

Thanks for any help.  
73, W6MIK

---  
David Shalita (Dave)  
af389@lafn.org  
Van Nuys, CA  
-----

Date: Sat, 15 Aug 1998 09:40:37 -0400 (AST)  
From: Pablo Luis Robles <wp4jxd@isla.net>  
To: QRP MAILING LIST <qrp-l@Lehigh.EDU>  
Subject: [17601] RE: K3KTS  
Message-ID: <Pine.LNX.3.95.980815093839.3355A-100000@pentagon>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for the replies... You all have been very helpful and fast!

Regards,

Pablo Luis

-----  
Date: Sat, 15 Aug 1998 08:18:56 -0600 (MDT)  
From: af852@rgfn.epcc.edu (William R Colbert)  
To: qrp-l@Lehigh.EDU  
Subject: [17602] Re: Qrp Freq(s) on 30 Meters?  
Message-ID: <199808151418.IAA06223@rgfn.epcc.edu>

Re Bill's N7MFB posting on the 10.123 qrp/NW qrp Monday  
nite net freq. Brian has shifted the net down a little  
to 10.122.6, trying to miss the ARRL supported WINLINK  
automated digital system that operates every Khz from 10.120  
to 10.125, picket fence style, wiping out everything,  
even active qso's. I suggest qrp operations be 10.120 or below.

Hopefully, this digital system won't shift lower. Because  
of the league support of this and no response from league officials  
regarding same, we have parted company after almost 45 years.  
10.116 still seems to be fairly good for qrp operations, most times  
tho recently a commercial fax station has been there at nite.  
VFO or VXO capability is almost a necessity.

--  
Ray Colbert, W5XE  
00TC 3618, SOWP 1064M  
El Paso, Tx (FAR WEST TEXAS!)  
also: w5xe@juno.com

-----  
Date: Sat, 15 Aug 1998 14:30:30 GMT  
From: mwattcpa@earthlink.net (Marty Watt)  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [17603] Re: The Zombie Shuffle Oct. 31Z  
Message-ID: <35d69b2d.55306397@mail.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

On Fri, 14 Aug 1998 00:50:39 -0600 (MDT), Paul Harden <na5n@rt66.com> =  
wrote:

> 666 points if you worked Elvis

Work Elvis? Heck, I AM ELVIS!!!!

--

72 es 73 de Elvis, KM7W

-----  
Memphis, Tennessee <http://home.earthlink.net/~mwattcpa>  
NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM65

-----  
Date: Sat, 15 Aug 1998 09:48:10 -0600 (MDT)  
From: marion@montana.com  
To: qrp-l@Lehigh.EDU  
Subject: [17604] future of cw  
Message-ID: <199808151548.JAA05694@paw.montana.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Date: Fri, 14 Aug 1998 20:39:04

It seems that CW is not mainstream ham radio these days, for a number of reasons. But it is my favorite mode, and I'm glad that at least some bandwidth will remain for CW use(I hope!).

There was a problem with novice for me, however. Often had difficulty finding folks to talk to!

When I upgraded to general, there where more hams on the bands, but at thirteen wpm I was still out of my league. Some hams would slow down and work with me. Others actually moved off when they heard my slow returns to

their CQs. And contesting was very intimidating, so did not do it.  
Now that I've been an extra for awhile, I can QSO with most hams and enjoy CW more than ever. And one thing I make sure to do is to tune up to the novice bands and answer some of those lonesome CQs. And work all the hams that are slower than me. Alot are still much faster.  
I sure don't have all the answers. But when code is rather difficult to break into, and most other modes offer instant gratification, It will probably be up to us just how many new cw op's there will be in the future.  
73 Roy AB7CE

-----  
Date: Sat, 15 Aug 1998 11:38:00 EDT  
From: k4zd@juno.com (Robert L Hanrahan)  
To: qrp-l@Lehigh.EDU  
Subject: [17605] Re: FS- 4 Items  
Message-ID: <19980815.104602.7663.1.k4zd@juno.com>

Hi Guys,

Found time during the "Dog Days of August" to poke around the shack and see what I have not used for a while. Found a few things that may interest a few of you and add to your radio enjoyment.

- 1) Vibroplex Bug- No. 238745/NY-\$85.00 pp
- 2) Radio Shack DSP 40(new in box, Never opened) \$32.50 pp
- 3) Ten Tec PM-1 xcvr (80/40/15), needs rcvr coil-\$24.50 pp
- 4) OHR 400 xcvr w/internal keyer- \$235.00 pp

Items 1,2, & 4 in excellent condition, e-mail for specifics!

72's/Bob Hanrahan- K4ZD

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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sat, 15 Aug 1998 10:45:20 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: "'Ed'" <edn4pk@voyageronline.net>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [17606] RE: Vertical antennas and ground rods?  
Message-ID: <000001bdc863\$c7dc8f40\$d03347cf@homedad.uthscsa.edu>



MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yes, place the resistor directly (as short as possible) from the hot side to the ground side. This will allow the static electricity to bleed off the vertical (hot) side to ground. Use a CARBON resistor of 1 watt or so. The wattage really doesn't matter to much. If you use a 33K or larger there is almost no RF current going through it. The wattage is for size only. This puts about an inch between the leads and helps prevent arcing when using high power. Like I also said you can use a large value RF choke too. Just be sure that you use a large enough value to present a high impedance at the lowest band you plan to use.

And again -- this WILL NOT protect your rigs in the event of a direct or very close strike. When storms are coming disconnect your rigs, put them back in the box and place them in a closet in the basement. ;)

Here's an idea that my Elmer gave me when I was first getting started. =====

I had several dipoles up with several coax cables coming into the shack. Sometimes it was difficult to tell which one was which. Place a resistor across the connection at the antenna (just like in the vertical).

For 10-meters use a 10K resistor, for 15-meters use a 15K and so on. Then if you get confused as to which coax is which, just whip out the old ohm meter and check.

Kevin, WB5RUE  
wb5rue@stic.net <http://www.qsl.net/wb5rue>

> -----Original Message-----

> From: Ed [mailto:edn4pk@voyageronline.net]

> Sent: Friday, August 14, 1998 8:41 PM

> To: wb5rue@stic.net

> Subject: Re: Vertical antennas and ground rods?

>

>

> Kevin, please enlighten this ol' dummy. Are you saying to place the

> resistor between the "hot" side of the vertical and ground rods ?? And  
> what wattage are we using ?? I run qrp to qro. Would not 15  
> or so turns  
> of #18 or so do the same job ?? Tnx  
> Ed W3NR  
>

-----  
Date: Sat, 15 Aug 1998 07:49:51 -0800  
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>  
To: qrp-l@Lehigh.EDU  
Subject: [17607] AL7FS has fun on 40 meters + other news.  
Message-ID: <35D5AE1F.CB6550C7@alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

Well, that was fun last night. I wasn't sleepy for some reason and got on the air at about 0730Z. There was QRN but also a pipeline down the west coast. I worked and ragchewed a little with N6MM, KB7MBI, and WE6W. Everyone was 579 on 40 mtrs. That qualifies as great signals. Finished up on 20 meters around 0845Z with the JA and VKs pounding in a 599. Yep, fun.

FWIW, my Gap Titan is constructed and ready for the mast and raising in the back yard today. My hope is that it will give me a lower take-off angle on 40 and 30 meters as well as add in the other WARC bands. We shall see.

In late breaking news, I am 65% committed to going to Pacificon. I made reservations yesterday for the air travel but no hotel room yet. I might need to find a roommate to keep costs down. I will let you know when the final decision is made. I think Doug's (KI6DS) recent email created a loud sucking sound up here as I was sucked into the Pacificon QRP frenzy. What a great line-up of speakers! Again....we shall see.

That's it for now. I look forward to working more and more of you on the bands. Thanks for rotating those dipoles and verticals up my way from time-to-time and digging me out of the QRM I can't even hear. :-)

73, Jim, AL7FS  
Anchorage, Alaska

-----  
Date: Sat, 15 Aug 1998 09:08:22 -0700  
From: Brian Kassel <bkassel@dancris.com>  
To: QRP-L <QRP-L@Lehigh.EDU>  
Subject: [17608] To: Dave Yarnes - Others Please Delete  
Message-ID: <35D5B276.DC525A4E@dancris.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dave:

Please reply with your current E-MAIL address, your previous address keeps bouncing.

Sorry for the BW, Folks.

--  
Brian Kassel W5VB0  
ARCI # 3623  
Phoenix AZ ScQRPions

-----  
Date: Sat, 15 Aug 1998 11:32:25  
From: Roger Braker <msebrakr@telepath.com>  
To: qrp-l@Lehigh.EDU  
Subject: [17609] 6 meter HB  
Message-ID: <3.0.5.16.19980815113225.3ab7190a@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Guys,

I've changed my idea for a 6 meter rig. Heres what I thinking now for the RX(this is a CW rig). 50mhz goes into a preamp and then to a mixer. I want the IF frequency to be 14 mhz. Since I can't make a good VFO at 36 mhz( $50-14=36$ ), I'll add 29mhz(xtal) to 7(vfo) to get 36 mhz. This goes to the first mixer with an ouptu of 14mhz( $50-36=14$ ). Then on to a 14 mhz xtal filter, on to an IF amp. Next \, then product detector. I beat a 14(+/-800hz, is 6 meters uper or lower sideband?) mhz xtal with the IF frequency(14mhz) for audio. THEN it goes through you usual chain of audio filters and amps. What do you guys think? Can I use regular mixers diodes ring mixers(like those found in the ugly weekemder) or do I need to change the Torids, diodes, and/or turns number for higher freqencys? Thanks in advance for any suggestions, help exetra.

-----  
Date: Sat, 15 Aug 1998 11:34:29 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: Arjen.Raateland@vyh.fi  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [17610] Re: choke balun and heat-shrink tubing?  
Message-ID: <35D5B895.987CCF05@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I confess to having purchased a W2DU-type balun when I found out that it only cost a trivial amount more than I could buy the beads for. It is encased in PVC tubing with regular PVC end caps, etc. Diameter is about 3/4" - looks good and is very sturdy as well as being waterproof for outdoor use.

I would tend to avoid the shrink-wrap for the reasons you stated. In any event, always try to avoid mechanical shock to any ferrite device - even if it doesn't break, you can change its properties.

For your air problem, try making a tiny pinhole to release the air and then heat it to shrink. Shrinking should close up the pinhole again and keep water out.

Hope all this is clear (without any quotes) from the subject line.

72/73, George           didit dit  
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE  
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496  
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

-----  
Date: Sat, 15 Aug 1998 12:37:37 EDT  
From: MNHopkins@aol.com  
To: QRP-L@Lehigh.EDU  
Subject: [17611] Ed Noll original book FS  
Message-ID: <7a2b803a.35d5b954@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

\$20 including priority mail for this 300+ page 1973 (1st Ed, 1st Printing)

classic that precursed Ten-Tec's "Solid State QRP Projects."

"Radio Transmitter Principles and Projects," Noll, E. (W3FQJ). Looks little used and not marked in save an introductory "Desk Copy...1981" on title page and a check mark by chapter 7 on the:

Table of Contents:

1. FET CW/AM Transmitter Circuits, 2. Bipolar CW and AM Transmitter Circuits, 3. Vacuum Tube CW/AM Transmitter Circuits, 4. Transistor/Tube Transmitter Circuits, 5. Basic Principles of SSB-DSB Generation 6. Basic Principles of Linear Mixers and Amplifiers 7. Intergrated Circuit Fundamentals 8. Frequency Modulation, General Principles, 9. Test Equipment and Proceedures.

Most of the Ten-Tec circuits are here as well as a wealth of new (old?) material. I did not steal this copy from Chuck Adams (don't know where he lives) and don't plan to sell mine, but this one turned up this morning at a meeting of broadcast radio collectors.

73 de ab5L, michael in dallas, student of Tecraft and International Crystal (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

-----  
Date: Sat, 15 Aug 1998 11:43:39 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: marion@montana.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [17612] Re: future of cw  
Message-ID: <35D5BABB.423B8D36@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Roy, that is one aspect of operating that evidently was either avoided or at least improved back in the olden days when I started (1946) and the code test was for 13 wpm.

By the time that I could pass the test (allowing for almost total numbing paralysis due to extreme fright for a 16-year old kid in the FCC office at Dallas!), I found that I had sufficient capability to work most of the stations I heard on 20 cw. Even then, if I called one of the "speed merchants" they would slow down to my speed and work with me to get through the QSO. What a great bunch of gentlemen on 20 cw in those days . . .

I am sure that if I could have worked at only 5 wpm when I started out, I would have found the same problems that you did.

No quotes, so maybe you can figure out what I am talking about . . .

72/73, George            didit dit  
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE  
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496  
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

-----  
Date: Sat, 15 Aug 1998 12:44:56 EDT  
From: n4so@juno.com (charles k brown)  
To: qrp-l@Lehigh.EDU  
Subject: [17613] Winlinks/10120?? khz QRM  
Message-ID: <19980815.163914.5119.16.n4so@juno.com>

Most Winlinks on 10 Mhz begin on 10126 khz mark and go up to about 10140 khz.  
Documentation is in the Digital MBO list which lists all U.S. Winlink stations called DigMBO U.S. East/West.  
Each station on Winlink has an E-mail address. Some stations have ventured down to 10122 mark such as K4CJX.  
(K4CJX@home.com)  
Comments and remarks concerning QRM should go to the specified Winlink operator, not to the ARRL.

Ken  
N4SO@juno.com  
Mobile, AL

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sat, 15 Aug 1998 11:45:53 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: kw3u@warwick.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [17614] Re: g-e glow lamps question  
Message-ID: <35D5BB41.3680A854@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Sounds like neon bulbs, Jim. Try 100K to start and adjust to the highest value you can use that will allow reliable starting at low line voltage and provide the brightness you need.

72/73, George           didit dit  
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE  
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496  
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

-----  
Date: Sat, 15 Aug 1998 13:01:25 -0400  
From: Clay N4AOX <wyn@worldnet.att.net>  
To: dpnewkirk@home.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [17615] Re: Miles per watt with BPSK?  
Message-ID: <35D5BEE5.5384@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

David Newkirk wrote:

>

> BPSK .wav files and more are available at Phil Karn's FEC Demo page at  
> <http://people.qualcomm.com/karn/fecdemo/index.html> -- a good place to send  
> anyone who still needs convincing that on-off-keyed Morse "gets through when  
> other modes can't."

Yes it is, particularly if one reads the fine print about bandwidth. To compare apples and apples lets give him 1 watt and 100 Hz., 6:60 skirts signal to work with. Most QRPers still value spectrum conservation.

72/73,

Clay N4AOX

-----  
Date: Sat, 15 Aug 1998 11:21:22 -0600  
From: "James R. Duffey" <ji3m@maxwell.com>  
To: rohre@arlut.utexas.edu  
Cc: qrp-1@Lehigh.EDU  
Subject: [17616] Adding WARC Bands to Trap Vertical  
Message-ID: <v03007803b1fb6fb0a603@[199.120.49.102]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Stuart - You asked;

"I would also like to hear if anyone has worked on adding bands to older pre WARC commercial antenna designs that cover the traditional "harmonic" bands. (80, 40, 20, 10)"

For many years the ARRL Antenna Books carried plans for adding a 30 M trap to a 40,20,15,10 vertical above the conventional traps. I don't know if it is in the later editions or not. I think the Handbook also may have carried it for a few years after 10 MHz was first opened.

This is pretty easy to do, but be aware that the losses on 40 M will increase somewhat due to the additional resistive losses in the 30 M trap. The addition of inductance from the 30 M trap will also shorten the 40 M resonant length even further which will lower the radiation resistance and reduce the efficiency a bit.

Adding the 17M and 12M bands is not as easy as there is not much space between the 20 M and 15 M traps for an additional 17M trap or between the 15 M and 10 M trap for a 12 M trap. Also, additional losses will occur on all lower bands due to the additional traps. It also becomes a nightmare to tune.

I know that many comercial verticals use this many traps these days, particularly the "half wave resonant" ones, but I suspect that the losses in these antennas are much more than in the older verticals with fewer traps, particularly on the lower bands.

Did I mention that multiband antennas are almost always a compromise?? :^)=

Let us know how it all turns out. - Duffey KK6MC/5

James R. Duffey      KK6MC/5   DM65tc   <jamesd1@flash.net>  
30 Casa Loma Road



Cedar Crest NM 87008

-----  
Date: Sat, 15 Aug 1998 13:22:50 -0400 (EDT)  
From: Rich Mulvey <mulveyr@mulveyr.roc.servtech.com>  
To: Clay N4AOX <wyn@worldnet.att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [17617] Re: Miles per watt with BPSK?  
Message-ID: <XFMail.980815132250.mulveyr@mulveyr.roc.servtech.com>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 8bit  
MIME-Version: 1.0

On 15-Aug-98 Clay N4AOX wrote:

> David Newkirk wrote:

>>

>

>> BPSK .wav files and more are available at Phil Karn's FEC Demo page at  
>> <http://people.qualcomm.com/karn/fecdemo/index.html> -- a good place to send  
>> anyone who still needs convincing that on-off-keyed Morse "gets through when  
>> other modes can't."

>

>

> Yes it is, particularly if one reads the fine print about bandwidth.

Fine print? Not quite - it is laid out in no uncertain terms as to the bandwidths that are being used for the samples.

> To

> compare apples and apples lets give him 1 watt and 100 Hz., 6:60 skirts  
> signal to work with. Most QRPers still value spectrum conservation.

Sure - as you say, lets compare apples and apples, in the real world, with real equipment.

How about 1 watt at 400 Hz, which is the power and bandwidth that I am using for my portable ops, using BPSK, and is, incidentally, somewhat better than the 500-700Hz filtering you'll find in the majority of QRPers rigs. I'm STILL working DX when all of the CW ops have closed up shop for the night because the human ear can't resolve the CW signal from the noise. Not to mention that when the bands are open, we're communication much faster and with far less error.

- Rich

--

Rich Mulvey  
My return address is my last name,  
followed by my first initial, @mulveyr.roc.servtech.com  
<http://mulveyr.roc.servtech.com>  
Amateur Radio: aa2ys@wb2wxq.#wny.ny.usa

-----  
Date: Sat, 15 Aug 1998 12:24:25 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: msebrakr@telepath.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [17618] Re: 6 meter HB  
Message-ID: <35D5C449.9D18E702@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Roger, you need to work through an analysis of all the potential mixer products to see where the "birdies" will land. There are programs that will help you do this, but I don't have a ready reference at hand. You might check the ARRL Handbook for a starting place. A knowledge of mixing products will enable you to anticipate problem areas where additional filtering will be necessary.

Design decisions of the type you have been exploring are at the heart of superhet receiver performance (or lack thereof!). This is not a trivial exercise, as you will discover, but is essential if you are to obtain a workable system.

72/73, George           didit dit  
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE  
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496  
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

-----  
Date: Sat, 15 Aug 1998 13:36:00 EDT  
From: kq0i@juno.com (Mark R Milburn)  
To: qrp-1@Lehigh.EDU  
Subject: [17619] Fox Hunts  
Message-ID: <19980815.173353.5207.0.KQ0I@juno.com>

When will the Fox Hunts begin again? We have started our state QRP club

during this past year, and I want to "prime" the folks that haven't had a chance to participate before.

72 mark KQ0I  
Des Moines, Iowa

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sat, 15 Aug 1998 10:34:50 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: "'TMcfadden@aol.com'" <TMcfadden@aol.com>  
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Subject: [17620] Antenna Tuner Kits  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Tim, I recommend the ZM-2 Antenna Tuner Kit from Roy Gregson at Emtech. This is a neat tuner for QRP, it is small, it matches everything, and it even has a neat LED SWR indicator designed by Dan Tayloe of the AZ ScQRPions built in. You get everything you need in the kit, instructions are very complete and easy to follow, and the best part is that it works like a champ.

Roy Gregson is a super guy to deal with also, I highly recommend his products. Here is the ordering information and a description from his web page at:

<http://pages.prodigy.net/roygregson/zmdesc.htm>

\*\* VISUAL SWR INDICATOR  
\*\* TUNES WIRE ANTENNAS SUCH AS --RANDOM, LONG, SHORT,  
    's all the wire I had!  
\*\* TUNES BALANCE FED ANTENNAS SUCH AS, LOOPS, DELTAS,  
    LES, VERTICALS, V's.  
\*\* TUNES (from field reports) GUTTERS, WINDOW FRAMES, SWING SETS, AND -- BED  
SPRINGS??  
\*\* TUNES OUT COAX FED ANTENNA MISMATCHES TO MAKE THE RADIO HAPPY!  
\*\* DOES ALL THE ABOVE AT 80 THRU 10 METERS, AND USUALLY MUCH FASTER THAN OTHER  
ATU's!  
\*\* DID I SAY 15 WATTS MAX!  
\*\* THE ZM-2 IS A NATURAL TO GO TO THE FIELD, AND AT HOME IN THE SHACK!  
-----

An evening project for many, maybe two evenings for others.  
Very easy construction, via pictorial drawings.  
All parts furnished, including a stick-on panel layout as shown.  
Big knobs for vernier tuning because the ZM-2 tunes so sharp.  
One large toroid to wind using a unique method that is fast  
and extremely easy. One small toroid to wind. Wire is furnished.  
Kit is complete, no other parts to try to find. Size is 5-1/16" x 2-5/8" x 1-5/8".  
Price is \$50.00 shipping included.

To place an order:

1. Make checks or money orders payable to EMTECH.
2. Mail check or money order to:

EMTECH  
3641A Preble Street  
Bremerton, WA 98312

Send mail to W6EMT: roygregson@aol.com

I have no connection with EMTECH or Roy other than he is a friend of mine,  
I like him, and his products. I buy all of his products at full retail price,  
just  
like you do.

72, Doug, KI6DS

-----  
Date: Sat, 15 Aug 1998 13:41:17 EDT  
From: Ab7wy@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [17621] Re: DX on 20 MetersB  
Message-ID: <e814b504.35d5c83f@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 98-08-15 08:19:00 EDT, you write:

<<

I thought I was the only one that had trouble staying awake when I work  
CW??? :) It seems to do the same thing to me at times. Can be annoying  
as all get out when it happens to me. >>

nope, cw can be hypnotizing. i was asleep and sending on autopilot when i  
worked my first hf contact back in 83. when a JA called me back on a dead

band, i woke right up. ive fallen asleep at the key many times since then...really hurts a contest score, hihi.

73.....Adam, AB7WY

-----  
Date: Sat, 15 Aug 1998 17:47:51 +0100  
From: Hank Kohl K8DD <k8dd@contesting.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [17622] Re: DX on 20 MetersB  
Message-ID: <3.0.5.32.19980815174751.0092bec0@192.0.0.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 01:41 PM 8/15/98 EDT, Ab7wy@aol.com wrote:

>In a message dated 98-08-15 08:19:00 EDT, you write:

>

><<

> I thought I was the only one that had trouble staying awake when I work  
> CW??? :) It seems to do the same thing to me at times. Can be  
annoying

> as all get out when it happens to me. >>

>

> nope, cw can be hypnotizing. i was asleep and sending on autopilot  
when i

>worked my first hf contact back in 83. when a JA called me back on a  
dead

>band, i woke right up. ive fallen asleep at the key many times since

>then...really hurts a contest score, hihi.

> 73.....Adam, AB7WY

And the impression of the paddle or keyboard on the forehead don't help  
either!

73 Hank K8DD

\*\*\*\*\*  
\* The QRP-ARCI Toy Store \*  
\* <http://www.tir.com/~k8dd/thetoystore.htm> \*  
\* \*  
\*\*\*\*\*

-----  
Date: Sat, 15 Aug 1998 14:07:30 -0400  
From: Mel Evans <MelEvansGM6JAG@compuserve.com>

To: qrp-1 <qrp-1@Lehigh.EDU>  
Subject: [17623] Yeah, yeah, yeah do the zombie shuffle!  
Message-ID: <199808151407\_MC2-5633-5847@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Hi gang,

If anybody is wearing a dress for this, I reserve the right to wear my kilt!

And think about this guys 'n gals, being a Scot can be very confusing, yo=  
u  
know those pictograms on  
the doors of public toilets, the one with the little guy with his legs  
apart, and the woman with her  
skirt on? Weeeelllll? which one does a Scotsman with a kilt on go to?

Me1  
GM6JAG  
Edinburgh Scotland

-----  
Date: Sat, 15 Aug 1998 19:09:06 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: mwattcpa@earthlink.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [17624] Re: The Zombie Shuffle Oct. 31Z  
Message-ID: <199808151809.TAA23970@chuck.dallas.sgi.com>

Are you the king? That is the question? But until further notice  
we do expect you to get a Zombie number. Be there be square. :-)

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> adams@sgi.com

-----  
Date: Sat, 15 Aug 1998 14:11:39 -0400  
From: "James Fielden" <fielden@utkux.utcc.utk.edu>  
To: "QRP-L" <qrp-1@Lehigh.EDU>  
Subject: [17625] New Rigs  
Message-ID: <01bdc878\$25e77b40\$e112a980@galaxian>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Wow, The Norcal-20 is going to be a sell out quick!!! I'm glad I got in early, this looks like a big HIT!  
I really can't wait to get started on it, but a couple months to go, I was reading over the Norcal-20 again today, this is really a neat rig, with Freq counter and keyer built in, what a deal!!!

Now any new News on the 44 Mag? That is another one that I really want, since I missed the 38 Spec.

Also I've been hearing that MFJ is coming out with a kit? I think the 90xx CW rig was designed as a kit to start with if I got that right but for some reason never released that way, anyone know anything about the MFJ kit?

73           \*           Jim, KU4QW  
fielden@utkux.utcc.utk.edu  
No-SSB International (tm)  
Member Number 1,000,014  
<http://web.utk.edu/~fielden/>

-----  
Date: Sat, 15 Aug 1998 13:38:46 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: MelEvansGM6JAG@compuserve.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [17626] Re: Yeah, yeah, yeah do the zombie shuffle!  
Message-ID: <35D5D5B6.87CCDE75@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Like that 700 lb canary: either one he wants to use!!

72/73, George           didit dit  
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE  
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496  
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

Mel Evans wrote:

> Weeeelllll? which one does a Scotsman with a kilt on go to?  
>  
> Mel

-----  
Date: Sat, 15 Aug 1998 19:41:26 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-1@Lehigh.EDU  
Subject: [17627] Status Report de K5FO  
Message-ID: <199808151841.TAA24070@chuck.dallas.sgi.com>

Gang,

The last six weeks have been rather hectic to say the least.  
Looks like I have two more weeks to go with travel and then  
it's nine weeks at home. Thank goodness.

But here is the issue and here is the solution. I can't be  
the one having all the fun, so I'm willing to spread it around  
and will do so.

#### 1. Elmer200 project - Oscillators

Needs to start immediately. Here is my outline as work in  
progress.

- o Frequency spectrum analysis of sine wave vs non-sine wave  
functions. Show why noone should use the Fireball on 10M  
this cycle.
- o Quartz crystals. Some elementary discussions.
- o Crystal Oscillators. From DC to Light.
- o Basic Oscillators and types. Colpitts, Franklin, etc.
- o Freq drift problems and solutions

....



Someone take up the project and run with it on QRP-L.  
You need to have a great deal of technical knowhow to do this  
as the audience will be rather large and they will let you know  
when you mess up. :-) You have control of the vertical,  
you have control of the horizontal, sharp focus, soft blurries  
etc.....

## 2. Elmer300 project, a.k.a. Manhattan Project

- o In phone conversation with KI6DS, he has first publication rights to the information with K8IQY for Winter QRPP issue. So this project goes on hold until then. I have enough parts, PC board material, and crystals for 100 partial kits. These will be available later in the year for cost of postage and parts as they are accumulated. N5INZ, John Andrews, found us a bunch of good stuff for this. Please don't ask me to start a list or take names yet. I'll do it all at once and you need to be subscribed to QRP-L and hopefully if you are in digest mode you won't miss it. ;-)

I am holding up posting of schematics on web page, etc. until this is published and everyone can start on equal footing.

## 3. Fox Hunt, QRP-L style. Question came up when does this start? Usually in first week of October when 40M gets started up for the winter season.

This year someone else needs to do the work. I will be off the list starting in two weeks and until after Pacificon due to work I must do for the 80wpm code run and I don't want to look like an idiot. :-) Someone step forward and you better have been around the list through all of these hunts and know what is involved. It will take a lot of time. Been there, done that.

Keep the same rules as previous years is probably the best way. The hard part is choosing from all the volunteers. I was thinking of using RUFZ as the benchmark this year. ;-)

## 4. Pacificon CW test. Doug posted some information, but it is in error. The NorCal evening will have only the sending test, as the evening session is for fun and doing something serious like upping the speed to 80wpm isn't for a room full of noisy activities.

But I have come up with what I think will be a fun thing to do.

A sending contest. You will be given plain text from a newspaper article. You will send for two minutes at the speed of your choice. Person getting the highest score from the audience of judges wins. Grading to be determined on the spot.

You bring your paddle or use one that someone is willing to rent or loan to you. Paddle must have 1/8" or 1/4" stereo plug with tip for dit, ring for dah, and shell for ground. Keyer will be an AEA MM-3 and you use keypad to set the speed and mode A or B. Paddle can be anypaddle you chose that is passive, i.e. non-computer or electronic based. :-) We could do all NorCal, but that is counter productive to the idea of the contest.

Maybe even do a straight key contest for those that think that electronic keyers are a bad thing for CW. :-)

The receiving test, done at another time, will be 5 minutes plain text at any speed you want. Test will start at 80wpm and work down until all contestants have copied one minute contiguous without an error..... Rules to follow later as soon as details are worked out.

OK, I hope I got everything. I'll try to keep up with the doings for the next two weeks, but it will be difficult for me at this time. SO much to do and so little time. Those of looking for newsletter articles from me, holler now.

There is the possibility that this email address will go into /dev/null and if it does don't worry. I'll be back. ;-) :-) (tm)  
I'm good in the callbook for the last 4 years.

Hard to believe almost six years have gone by on this group.  
Here's looking for the next six.

dit dit (tm) de K5FO QRP-L #1

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> adams@sgi.com

-----  
Date: Sat, 15 Aug 1998 14:53:25 -0400  
From: Ed Tanton <n4xy@att.net>



was needed to hear them. Tecraft and Tapetone made such devices, but they were pricey, so the authors put together a circuit with one less tube than the big boys: 6BS8, 6AN8 and 12AT7. There is the usual cascode RF amp and the output a little low by then contemporary standards. It brought down the God-fearing Sputnik to 10 mc instead of 14 like most converters of the day. So what?

Look up the article and look at the co-authors: Orr, William and Stoner, D. I never knew them to work together. Bill Orr, W6SAI was Frank Jones' heir at the West Coast Handbook and made it a respected, conservative journal, the more the pity. Stoner, W6TNS, on the other hand, was a creature of the new wave. It was he who, in this same year of 1958 made a two transistor TX and did all sorts of QRP feats. He was also a columnist, and I emphasize not a Communist, on things solid state.

There were a lot of crossroads in 1958.

73 de ab5L, michael in dallas, student of Tecraft and International Crystal (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

-----  
Date: Sat, 15 Aug 1998 13:27:42 -0600  
From: "Alyn Backe" <ve6bpr@cnnet.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [17630] Fw: Multiband verticals  
Message-ID: <000801bdc882\$c6229220\$9206e5cf@laptop>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've been asked to forward this to the list by VE6AAN.  
73, AL, VE6BPR...

>Hi all,

>

>All this discussion about vertical antennas has jogged my memory about a

trapless vertical that was described in CQ Magazine back in the early 1980's. It used three parallel elements and at least one inductor and, I believe, it was also made commercially but I don't remember by whom.

>

>I once wanted to build this antenna but, unfortunately, I long ago lost the article. I believe it was in one of the annual antenna issues (April?) but I don't know the year (probably 1982 or 1983).

>

>Does anyone out there recall this article? Could someone be so kind as to provide me with a copy? Finally, is there anyone on this list who built one? If so, I'd like to hear from you.

>

>Many thanks in advance for the help.

>

>73,

>

>Pat Byers, VE6AAN

>Lacombe, AB

-----  
Date: Sat, 15 Aug 1998 16:12:02 -0400  
From: Clay N4AOX <wyn@worldnet.att.net>  
To: mulveyr@mulveyr.roc.servtech.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [17631] Re: Miles per watt with BPSK?  
Message-ID: <35D5EB92.6827@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Rich Mulvey wrote:

> How about 1 watt at 400 Hz, which is the power and bandwidth that I am using

Well, if you are going to try to impress me, then you should use my environment 1 watt avg. 100Hz. Like that mother says in the ad, my way or the highway.

72/73,  
Clay N4AOX

-----  
Date: Sat, 15 Aug 1998 16:31:29 EDT

From: w4bws@juno.com (Donald E Sanders)  
To: ve6bpr@cnnnet.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [17632] Re: Fw: Multiband verticals  
Message-ID: <19980815.153158.4343.2.W4BWS@juno.com>

The antenna referred to was made from electrical EMT tubing. had one element on 40 and 15, one on 20, and one with loading coil for 80 if I remember right. It was mounted using rings cut from 4inch plastic sewer pipe, and bonded together at base for feeding from coax. B&W sold the kit of parts for this antenna. I used to have the article somewhere. If you don't have another offer, I will try to find it buried in my storage unit.

Donald E. Sanders W4BWS  
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937  
407-779-0222 Fax 407-779-0830  
E-mail to w4bws@juno.com  
My favorite QRP rig glows in the dark

On Sat, 15 Aug 1998 13:27:42 -0600 "Alyn Backe" <ve6bpr@cnnnet.com> writes:

>I've been asked to forward this to the list by VE6AAN.

>73, AL, VE6BPR...

--- Snip---

>trapless vertical that was described in CQ Magazine back in the early  
>1980's. It used three parallel elements and at least one inductor and,  
>

>but I don't know the year (probably 1982 or 1983).

>73,

>Pat Byers, VE6AAN

>>Lacombe, AB

>

>

>

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Or call Juno at (800) 654-JUNO [654-5866]

---

Date: Sat, 15 Aug 1998 21:01:50 GMT  
From: nhoop@centuryinter.net (Nat H)  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [17633] Re: choke balun and heat-shrink tubing?  
Message-ID: <35e2f6de.17455785@mail.ot.centuryinter.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>try making a tiny pinhole to release the air and  
>then heat it to shrink. Shrinking should close up the pinhole again and  
>keep water out.

U'm...wouldn't shrinking it OPEN the pinhole?

72 Nat KM5QU  
Oxford AR

-----  
Date: Sat, 15 Aug 1998 17:26:26 -0400  
From: THE ONE AND ONLY <mitch96@pobox.com>  
To: Qrp-1@Lehigh.EDU  
Subject: [17634] Fw: Multiband verticals  
Message-ID: <35D5FD02.1B4B@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

<snip>

The antenna referred to was made from electrical EMT tubing. It was mounted using rings cut from 4inch plastic sewer pipe, and bonded together at base for feeding from coax. B&W sold the kit of parts for this antenna.

>trapless vertical that was described in CQ Magazine back in the early  
>1980's. It used three parallel elements and at least one inductor  
<snip>

I used one of these verticals, back in the wild and woolly '80s and it worked quite well. it was mounted on my flat roof and i used lots and lots of radials cut to specific freq's. the radials COVERED the roof. i had a excellent ground consisting of 4 ,6'copper rods all linked together with 00 cable, then into the shack. was working at 830s back then. always got comments on how good the 10 power (100watt) signal was.

If you find this article, i would like to build this antenna again. very simple, rugged and frugal to say the least!!! emt, pvc, and a loading coil. got the radial wire from a phone company person who had a short spool of hookup wire.

sounds like a home depot/builders square/lowes special to me!!!

Mitch, Ww4mL  
Eschew Obfuscation!

-----  
Date: Sat, 15 Aug 1998 17:33:37 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@Lehigh.EDU, nwq-1@scn.org  
Subject: [17635] LQQING FOR A SHORT HF VERTICAL?  
Message-ID: <b664014f.35d5feb3@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Looking for a restricted space vertical for 80-20M? Boy have I got the site for you! SM0VPO has a real swell balcony antenna that is 5.35 meters with a base coil. Sharp looking antenna. For details see:  
<<<http://user.tninet.se/~acz732k/antennas/balcant.htm>>>

Alan KB7MBI

-----  
Date: Sat, 15 Aug 1998 18:00:41 EDT  
From: w4bws@juno.com (Donald E Sanders)  
To: QRP-L@Lehigh.EDU  
Cc: k4hwx@juno.com, N3QK@juno.com  
Subject: [17636] QRP glowbug want : ICM T-12  
Message-ID: <19980815.170059.4519.2.W4BWS@juno.com>

Back in 1959 International Crystal offered a 7 watt output kit for 80 and 40, Model T-12, using a 12 BH7 and 5763 final.

If anyone has one of these units, or knows of some one who might have one, I would like to buy, swap, or borrow one for a project. Please e-mail direct and feel free to list on other reflectors if appropriate. Keep your eyes open at hamfests.

Thank you.

Donald E. Sanders W4BWS  
694 E. Eau Gallie Blvd. Satellite Beach, FL 32937  
407-779-0222 Fax 407-779-0830  
E-mail to w4bws@juno.com  
My favorite QRP rig glows in the dark



-----  
Date: Sat, 15 Aug 1998 16:17:24 -0600  
From: Pat Byers <pbyers@rttinc.com>  
To: qrp-l@Lehigh.EDU  
Subject: [17637] Multiband vertical  
Message-ID: <3.0.5.32.19980815161724.00801d50@mail.rttinc.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi all,

Sorry for posting my original message through a friend, VE6BPR. Something's gone wrong here and my postings to QRP-L are vanishing. Haven't figured it out yet. Let's see if this one makes it.

I inadvertently omitted my e-mail address from my forwarded message. Again, my apologies.

Also, many thanks to W4BWS and WW4ML for their help. I might finally get this antenna up and running.

73,

Pat, VE6AAN  
QRPARCI #3447, G-QRP Club #909

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End of QRP-L Digest 1184

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